

Name: _____

Date: _____ HR: _____

Topic 3.0 Changes can be observed and monitored in ecosystems

Topic 3.1 Investigating the Distribution of Living Things in an Environment

Distribution of Living Things

One way that scientists estimate the distribution of living things in an area is by a technique called _____.

When is sampling used?

1. Describe two different things humans could do to have an impact on living things in your schoolyard.
2. In many national and provincial parks, there are both wetland and dry-land areas for living things. Why do you think it is important to have both areas?

Topic 3.2 Interactions and Changes Occur in Ecosystems

All Things Change

All things change, including ecosystems. List some of the ways that changes can occur in a ecosystem:

Describe each of the following ways in which an ecosystem may change.

1) Bioinvasion: _____

2) Competiton: _____

3) Predation: _____

4) Weather: _____

1. How may the introduction of a non-native plant or animal species affect an ecosystem?
2. How do you think the following factors can affect populations and communities in ecosystems?
 - a. The introduction of a new species
 - b. the availability of food
3. Why do the populations shown in Figure 3.6 on page 60 peak and crash at different times?

Topic 3.3 Succession: How Ecosystems Change over Time

What are pioneer species? _____

What is Succession? _____

What are the two types of succession?

Describe Primary Succession: _____

What is an example of an area of primary succession? _____

Describe Secondary Succession: _____

What is an example of an area of secondary succession? _____

What is the difference between primary and secondary succession? _____

What is a climax community? _____
